Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/09/2018 10:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125126	0	1.75	125050	1.70
Blue	F	SSC	125000	123444	-2	3.75	123700	3.51
Blue	E	FITC	23615	22778	-4	2.78	1021	10.34
Blue	D	PE	26739	26298	-2	2.39	944	10.33
Blue	B	PerCP-Cy5-5	48339	47363	-3	3.84	1358	17.30
Blue	A	PE-Cy7	45021	45017	-1	5.57	704	35.93
Red	C	APC	53064	52265	-2	2.88	2994	9.67
Red	A	APC-Cy7	57175	56349	-2	2.94	1189	11.23
Violet	B	V450	14728	14184	-4	5.40	671	9.75
Violet	A	V500	58621	56970	-3	5.23	2529	7.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18730	2.38	607	-7	N/A	N/A	Pass
Blue	F	SSC	60743	1.63	547	1	N/A	N/A	Pass
Blue	E	FITC	110	39.78	543	-5	0.0206	136	Pass
Blue	D	PE	205	30.04	536	0	0.1424	216	Pass
Blue	B	PerCP-Cy5-5	212	45.98	633	-2	0.0097	98	Pass
Blue	A	PE-Cy7	76	117.05	693	0	0.0114	9	Pass
Red	C	APC	349	28.76	599	2	0.0196	100	Pass
Red	A	APC-Cy7	129	40.07	580	0	0.0055	1550	Pass
Violet	B	V450	82	41.18	463	-7	0.0449	1682	Pass
Violet	A	V500	181	23.33	491	-6	0.0138	344	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.71	-31.25	0.92
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	17.54	14.40 - 21.60	N/A	N/A	31.05	31.52	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10196

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments